

## ABOUT NIT

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 23 postgraduate programs in disciplines spanning engineering, science, architecture and management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. According to the Ministry of Human Resources Development, NIRF 2017, NIT Trichy has been ranked as the 1<sup>st</sup> NIT among all the NITs and 11<sup>th</sup> among all the technical institutes in India. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

## ABOUT THE DEPARTMENT

The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The vision of the department is to provide valuable resources for industry and society through excellence in technical education and research. The department offers Undergraduate, Post Graduate and Ph.D degree programs. Research in the department focuses on various discipline like Communication systems, Wireless networks, Signals and Image Processing, RF MEMS, MIC, Microwave antennas, Optical communication, photonics and VLSI technologies.

## OBJECTIVE OF THE COURSE

The Objective of this short term course is to disseminate the basic knowledge of Wireless Communication Systems, its implementation and analysis using software tools for the benefit of ITI, Polytechnic and Engineering students.

## RESOURCE PERSONS

The resource persons are from NIT, Trichy.

## COURSE CONTENT

- Evolution of Mobile Communication Networks
- Cellular Infrastructure
- Mobile Radio Propagation models
- Capacity and Error rate analysis
- Multiple access techniques
- Multi-Antenna communication
- Ad Hoc Wireless networks
- Modeling of wireless Communication system using MATLAB/GNU RADIO

## REGISTRATION

**Registration Fee: Rs 250 per Participant**

The DD for **Rs. 250** should be taken in favour of “**The Director, NIT, Tiruchirappalli**” payable at Tiruchirappalli.

The registration fee includes workshop kit and refreshment for all days.

## ACCOMMODATION

Accommodation for participants will be arranged in the institute hostels / guest house **on payment basis**.

In Guest house: Rs. 300 per day

In Institute Hostel: Rs. 100 per day

## IMPORTANT DATES

Complete Registration form along with the scanned DD copy should be mailed to the coordinator on or before **14<sup>th</sup> November, 2017** to the

**email: rebekka@nitt.edu**

### Note:

- DD can be submitted at the time of course registration.
- Spot registration is allowed.

## Five Days Short Term Course

on

## Evolution of Mobile Communication

**15<sup>th</sup> Nov – 19<sup>th</sup> Nov, 2017**



*Organized by*

Department of Electronics and  
Communication Engineering,  
National Institute of Technology,  
Tiruchirappalli,  
Tamil Nadu – 620015.

## COURSE COORDINATORS

**Dr. B. Rebekka**  
**Dr. B. Malarkodi**  
**Dr. N. Gunavathi**  
**Mr. N. Deepan**

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**09894478823**

**REGISTRATION FORM**  
**Five Days Short term course**  
**on**  
**Evolution of Mobile Communication**  
**15<sup>th</sup> Nov – 19<sup>th</sup> Nov, 2017**

Name : .....  
(Block Letter)

Designation : .....

Organization: .....

Official Address: .....  
.....  
.....  
.....

Mobile : .....

e-mail: .....

Accommodation Required: ..... (YES/ NO) If Yes, Place : ..... (Guest House / Hostel)

Date :

Signature : .....